



# CALL FOR PAPERS: ACM MEDES 2012



The International ACM Conference on Management of Emergent Digital EcoSystems (MEDES'12)

Oct 28-31, 2012 Addis Ababa University, Addis Ababa, Ethiopia



## Description and Objectives

In the world of the Internet, the rapid growth and exponential use of digital medias leads to the emergence of virtual environments namely *digital ecosystems* composed of multiple and independent entities such as individuals, organizations, services, software and applications sharing one or several missions and focusing on the interactions and inter-relationships among them. The digital ecosystem exhibits self-organizing environments, thanks to the re-combination and evolution of its "digital components", in which resources provided by each entity are properly conserved, managed and used. The underlying resources mainly comprehend data management, innovative services, computational intelligence and self-organizing platforms.

## IMPORTANT DATES

- Submission Date: June 5<sup>th</sup>, 2012
- Preliminary Notification: September 3<sup>rd</sup>, 2012
- Rebuttal Deadline: September 7<sup>th</sup>, 2012
- Final Notification: September 10<sup>th</sup>, 2012
- Camera Ready: September 20<sup>th</sup>, 2012
- Conference Dates: October 28-31, 2012

## ORGANIZED BY

**Addis Ababa University,  
IT Doctoral Program**

## SPONSORED BY



## LOCAL ORGANIZING COMMITTEE

Solomon Atnafu (Chair), Addis Ababa University

Sebsibe H/Mariam, Addis Ababa University

Mulugeta Libsie, Addis Ababa University

Fekade Getahun, Addis Ababa University

Salehu Anteneh, Addis Ababa University

Dida Midekso, Addis Ababa University

Rahel Bekele, Addis Ababa University

Dejene Ejigu, Addis Ababa University

Mesfin Kifle, Addis Ababa University

Solomon Teferra, Addis Ababa University

Mesfin Belachew, Ministry of Communication and IT

## PROGRAM CHAIR

Dominique Laurent, University of Cergy-Pontoise, France

## STEERING COMMITTEE MEMBERS

Fernando Ferri, IRPPS-CNR, Italy

Frederic Andres, National Institute of Informatics, Japan

Richard Chbeir, University of Bourgogne, France

Hiroshi Ishikawa, Shizuoka University, Japan

Asanee Kawtrakul, NECTEC, Thailand

Dominique Laurent, University of Cergy-Pontoise, France

Epaminondas Kapetanios, University of Westminster, UK

## PUBLICITY AND PUBLICATION CHAIR

Richard Chbeir, University of Bourgogne, France

## Areas of interest include, but are not limited to:

- **Digital Ecosystem Infrastructure**
  - Service-Oriented Architecture
  - Autonomic Architecture
  - Adaptive Architecture
  - Sustainable Frameworks
  - Self Organizing Infrastructure
  - Sensor Based Embedded System
- **Green Computing**
  - Power-aware algorithms and protocols
  - Sensing and monitoring
  - Life-cycle analysis of IT equipment
  - Renewable energy models and prediction
  - Matching energy supply and demand
  - Smart grid and microgrids
  - Ecosystem monitoring
  - Using IT to reduce carbon emissions
  - Carbon metering and user feedback
- **Emergent Intelligence**
  - Business Intelligence
  - Game Theory
  - Subject-Centric Computing
  - Soft Computing
  - Computational Intelligence
  - Ambient Intelligence
  - Collective Intelligence
  - Nature Inspired Computing
  - Swarm Intelligence
  - Crowdsourcing and folksonomy
- **Services**
  - Service Design and Modeling
  - Service Engineering and Simulation
  - Service Systems and Platform
  - E-Learning, E-Humanities, E-Commerce and E-Government
  - B2B and B2C
  - Software As A Service (SaaS) and Services As Software (SaS)
  - Case Studies
  - Integrated Information Architecture
  - Requirements Engineering
- **Trust, Security & Privacy**
  - Access Control
  - Right Management
  - Privacy Assurance
  - Trust & Risk
  - Information Hiding
  - Watermarking
- **Data & Knowledge Management**
  - Data Integration and Mediation
  - Data and Knowledge Grid
  - Knowledge Management, Extraction and Sharing
  - Data Mining and Knowledge Discovery
  - Information Retrieval
  - Multimedia Databases
  - Ontology Management
  - Information Quality
  - Data Visualization
- **Web and Standards**
  - Web Technologies (XML, RDF, OWL)
  - Semantic Web
  - Web Intelligence
  - Web 2, Web 3
  - Social Networks and Communities
  - Web Mining
  - Web based Digital Ecosystems and Service
- **Human-Computer Interaction**
  - User modeling & Personalization
  - Affective User-centered analysis, design and evaluation
  - Brain/Computer Interactions
  - Multimodal Interfaces
  - Language Technology
- **Networks and Protocols**
  - Sensor Networks
  - Grid Computing
  - Cloud Computing
  - Ad-hoc and Mobile Networks
  - Ubiquitous Systems
  - Distributed Computation
  - Negotiations
  - Scale-free Networks
- **Miscellaneous**
  - Context-Aware Applications
  - Challenging Application
  - Digital literacy
  - Digital Library
  - Economic Clusters
  - Capacity Building
  - Simulations
  - Image Analysis

<http://sigappfr.acm.org/MEDES/12/>